

**ABSTRACT OF THE DISCLOSURE**

5 The invention discloses a method for processing alkene-  
containing exhaust gas. It is a combination of ozonic and  
biological processes which mainly deal with exhaust gas  
mixtures having alkene-containing (C-C double bond) organic  
exhaust gas (such as alkene, acrylic acid) and other  
volatile organic compounds (such as ketone, alcohol, BTEX,  
and others). Since exhaust gas containing C-C double bond  
is difficult to dispose of, the method for processing  
10 exhaust gas presented in the invention utilizes ozone to  
completely decompose or transform the organic contaminants  
with C-C double bonds into intermediate products. The  
organic contaminant can then be treated in the biological  
process and converted into non-toxic substances. This  
15 method does not require large-sized biological process  
equipment, and the residual ozone is oxidized and degraded  
in the bio-filter.